

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Michael Crestohl <mc@shore.net>
Subject: 'Surplus Al' online.....
Message-ID: <199701060334.WAA13593@northshore.shore.net>

Hello Boatanchor Crew:

Boy, talk about old times!

>Hi, I was given a gift sub to boatanchors by a friend and reading the
>current news which my friend sends to me I saw your crystal article,
>I am a senior one man operation and supplement my income by selling.
>I have at present over 100,000 xtals in stock. In many types of holders
>also a small selection in the real old type holders. You can grind your
>own by using Ajax and finishing them with Ammonium Bifluoride, I
>done Hundreds this way. Also I have thousands of Mil Tech manuals in
>stock. Starting my lists now. Also have much of the older stuff on
>hand,I tried to get a few words into the columns but the email keeps
>coming back. 73's Al W3UGD
>

This guy's been around a long time. I remember back about 20 years ago Surplus Al aka Quaker Electronics of Hunlock Creek PA used to publish a newspaper/catalog called the Surplus News or Surplus Times. It was a real neat-o publication - Al reprinted schematics and other stuff from some of the manuals he advertised. I still have a few of them around here somewhere.

I've seen Surplus Al at a few hamfests each year - notably Dayton, Rochester NY and Gaithersburg. He has plenty of TM11s - you guys looking for R-390/390A manuals will probably not find them but YOU NEVER KNOW!!!

Welcome aboard Al! Good to have you on here, Lots of guys interested in military surplus radios and test equipment.

73,

Michael Crestohl, W1RC
mc@shore.net

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Eugene Rippen <soundval@foothill.net>
Subject: (2) SX-28's FS, & Parts
Message-ID: <32D02DF4.157A@foothill.net>

I have the following for sale.

Add packing and shipping. Please disclose your ZIP address, it helps.

Eugene Rippen, 105 Donnington, Auburn, CA 95603

HALLICRAFTERS SX-28 in case, looks good, plays good, but could improve with alignment. Very Original. Panel is very good. Complete. \$200. Very HEAVY.

HALLICRAFTERS SX-28 rack mount, looks good. Plays good. Complete Original \$160. Very HEAVY

HALLICRAFTERS PM-23 speaker. This is one without the ihî on the grill. About a 7-8 on a 10 scale. Works. Complete. \$65, But prefer to wait to see if a purchaser of an SX-28 wants it.

HALLICRAFTERS SX-28 PARTS. I have most of the parts for one, including tube set, dials, knobs, entire switching/coils assembly, power transformer. For starters, I will wait for offers and needs.

Feel free to make counter-offers on any stuff I ever offer. I'm an attorney, therefore there is no possible way to insult me. (It has all been tried before). Probably very few lawyers have ever won judgments for their own defamation, let alone for mere harrassment Besides, if the offer is ridiculous I will simply not respond. I'm not known for reducing prices very often, but no harm in trying, other than the possibilty of someone else buying it while your bargaining.

Gene

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: mail08458@pop.net (Bryan)
Subject: Re: (2) SX-28's FS, & Parts
Message-ID: <QQbxgb07753.199701060021@alterdial.UU.NET>

Gene,

I'll take the SX-28. If it's still available, please advise how you would like to proceed.
Thanks.

Bryan Stephsn
mail08458@pop.net
Fairfax, VA 22030

On Sun, 5 Jan 1997, Eugene Rippen <soundval@foothill.net> wrote:
>I have the following for sale.
>
>Add packing and shipping. Please disclose your ZIP address, it helps.
>
>Eugene Rippen, 105 Donnington, Auburn, CA 95603
>
>HALLICRAFTERS SX-28 in case, looks good, plays good, but could improve
> with alignment. Very Original. Panel is very good. Complete. \$200.
> Very HEAVY.

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: paul Veltman <veltman@netcom.com>
Subject: 2C39/7289 tubes.
Message-ID: <Pine.3.89.9701042103.A24079-0100000@netcom6>

Hi Gang,

Back when I was a kid in college, I maintained a microwave link for a few TV stations. The transmitters used 2C39/7289 tubes. We'd pull them on a 6 month PM cycle and toss the old ones. I have a few of them, and would like to get them back into circulation, but I have no way of testing them. Anybody out there in BALand have any ideas?

Thanks,

Paul WA6OKQ

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: "Joseph W. Pinner" <kc5ijjd@net-connect.net>
Subject: Re: 2C39/7289 tubes.
Message-ID: <199701051214.GAA19085@dns1.net-connect.net>

>The transmitters used 2C39/7289 tubes. I have a few of them, and would
>like to get them back into circulation, but I have no way of testing
>them. Anybody out there in BALand have any ideas?

Paul,

The TV-7 tester has an adapter for the 2C39 (my TV-7D does).

73

Joseph W Pinner

Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Spencer Petri <spetri@e-tex.com>
Subject: 592 Tube
Message-ID: <m0vh3do-000069C@e-tex.com>

Hello filament folks,

Has anyone got the filament specs for the above tube? This is a real nice firebottle.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: 592 Tube
Message-ID: <199701060231.VAA04193@server1.ils.net>

At 07:19 PM 1/5/97 -0600, Spencer Petri wrote:

>Hello filament folks,

>

>Has anyone got the filament specs for the above tube? This is a real nice
>firebottle.

>

>73 de Pete WA5JCI

>

Hi Pete. The fil specs are 10 volts 5 amps. The tube is also known as a 3-200A3.
Max plate dissipation is 200 watts. max values: plate volts 3500
plate ma. 250
grid current 50 ma.

typical class C values for CW : plate volts 3000
grid volts -220
plate current 222 ma.
grid current 25 ma.
driving power 11 watts
output power 465 watts

Hope this helps.
73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: jproc@bellglobal.com
Subject: RE: 592 Tube
Message-ID: <Chameleon.4.01.2.970105212135.jproc@>

>Has anyone got the filament specs.

Pete,

According to the 1963 ARRL hammdbook, the filament voltage is 10 volts
@ 5 amps.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: km1h@juno.com
Subject: Re: 592 Tube
Message-ID: <19970105.233751.8767.4.km1h@juno.com>

The 592 has a split filament. When connected in parallel it is 10V @ 5A
Pete.

An article using a pair in a "big" 2M KW appeared in the old W6SAI/W6QKI
VHF Handbook of the 50's. They claim power levels up to 3KW input 4KV @
720ma. Interesting to note that it was GG service too.
I used to drool over that circuit as a kid when all I could afford was an
829B at about 80W of AM.

73.....Carl KM1H

On Sun, 5 Jan 1997 19:18:51 -0600 (CST) Spencer Petri <spetri@e-tex.com>
writes:

>Hello filament folks,

>
>Has anyone got the filament specs for the above tube? This is a real
>nice
>firebottle.
>
>73 de Pete WA5JCI
>
>

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Kim Herron <kherron@voyager.net>
Subject: 807's for sale
Message-ID: <199701052028.PAA10057@vixa.voyager.net>

Hi Gang,

I am trying to recover from the purchase of three distributor's stock of vacuum tubes. One of the things that I've got here and have no need of is a box full of 807's.

They are NEW RCA in boxes and JAN RCA and a few Westinghouse. I have a total of 20 tubes that need a new home. I'd like to sell them as a lot. \$60.00 will get the whole thing with the shipping. Do I have any takers?? Please help me keep my scalp and get my wife to let me stay in the house. It's cold and wet here in Michigan!!

KIM
kherron@vixa.voyager.net

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Kim Herron <kherron@voyager.net>
Subject: 807's for sale
Message-ID: <199701060141.UAA04401@vixa.voyager.net>

Hi Firebottle Fans,

Well, I'd like to thank all of you who took pity on my plight and saved me from sleeping in the new snowdrift outside my shack window. The 807's are gone, but don't despair. I have many more tubes that need to find a home if I am to stay in mine. So be thinking about what you need and let me know privately, or just watch for postings from time to time. The entire garage is full and my wife wants the car inside out of the snow. I'm gonna need a lot of help.

KIM
kherron@vixa.voyager.net

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Conard Murray <ws4s@InfoAve.Net>
Subject: Anyone working on a NC-183D?
Message-ID: <2.2.32.19970105180313.00768bf8@infoave.net>

Hello,
I just got what appears to be an early model 183D. I have a couple of questions regarding the circuit and some voltages. If you have one on the bench I would appreciate it if you would compare some voltage readings with me ... specifically the voltage from the 6V6 grids and cathode to chassis ground. I have a Sams Photofact which gives a voltage, but I am not sure if they were measuring the grid voltage with respect to ground or the cathode. They say all voltage measurements were made to ground, but I am getting waaay too much voltage (twice too much ... -47 volts or so) from grid to chassis, but the grid to cathode value is about right.
I think I have something pulling too much current and causing the voltage to rise across the bias resistors in the center tap of the HV transformer, but I would like to get a comparason if possible.
73 and thanks,
de Conard WS4S

.....
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him <>< .
.....

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Bob Roehrig <broebrig@admin.aurora.edu>
Subject: Re: Anyone working on a NC-183D?
Message-ID: <Pine.ULT.3.95.970105192647.8025A-100000@admin.aurora.edu>

On Sun, 5 Jan 1997, Conard Murray wrote:

> specifically the voltage from the 6V6 grids and cathode to chassis
> ground. I have a Sams Photofact which gives a voltage, but I am not sure if
> they were measuring the grid voltage with respect to ground or the cathode.
> They say all voltage measurements were made to ground, but I am getting
> waaay too much voltage (twice too much ... -47 volts or so) from grid to

Most of those measurements are to ground. If the stage develops bias by using a cathode resistor (typically 470 ohms for a 6V6 if I remember right), then measure across the cathode resistor. That is usually about 12 volts for a 6V6. The grid, with respect to ground, should read zero.

There might be a problem with either a gassy tube, or a better bet would be a leaky coupling cap to the 6V6 grid from the previous stage.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Al Klase <alklase@prolog.net>
Subject: Re: Anyone working on a NC-183D?
Message-ID: <199701060415.WAA22329@uro.theporch.com>

On Sun, 5 Jan 1997, Conard Murray wrote:

> specifically the voltage from the 6V6 grids and cathode to chassis
> ground. I have a Sams Photofact which gives a voltage, but I am not sure if
> they were measuring the grid voltage with respect to ground or the cathode.
> They say all voltage measurements were made to ground, but I am getting
> waaay too much voltage (twice too much ... -47 volts or so) from grid to
>

My official National NC-183D manuals calls for the 6V6 grids to be at -39V and the cathodes to be at -19V relative to ground with a Hi-Z VTVM with a 115VAC power source. The NC-183(non-D) in Riders says something similar. My NC-183(non-D) Sam's says -21.5 and -7.6V measured with a 20K ohms/volt instrument (VOM). I don't think there should be that much effect by the lower impedance meter, and suspect the Sam's numbers are wrong.

73, Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Al Klase <alklase@prolog.net>
Subject: Re: AR88 question
Message-ID: <199701060424.WAA22465@uro.theporch.com>

At 11:40 AM 1/4/97 -0600, Philip McCoy wrote:

>On the RCA AR-88 does the oscillator go on the high side or low side of the
>signal on the 22.5 mcs to 30mcs band.

>

Per the manual, the oscillator should be on the high side for all bands.

73, Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: w5jv@juno.com (J. Douglas Hensley)
Subject: ART-13 wanted for parts; also 4-400 sockets (need 2)
Message-ID: <19970105.170545.6567.13.w5jv@juno.com>

Good afternoon to everyone on the BA net,

If any surplus hounds have an ART-13 chasis that
can be gotten for the parts, please contact me.

I'm also looking for two sockets and chimneys for
the old 4-400/a's as well as a 0-350pf or so vac.
variable. Reasonable requirements only please.

By the way, amidst a friend's brother's estate (non-
ham) we came across some fairly rare photos
taken at LSU during the period of the Pearl Harbor
bombing. One or two are of the club station W5YW
and show students at the operating position with
a tall 19" transmitter rack behind them. In those days
the receiver, speaker, and VFO sat on the table and
the heavier, more dangerous, transmitter was located
away from the operator. For those of you familiar with
the school, this was in Nicholson Hall with the Physics
department. They show Dr. Hulin Williams (retired
now from LSU) and another member of the then W5YW
radio club listening to news broadcasts. On the desk
before them lays an open paper announcing war news.
If anyone would like to have a copy of these, please
contact me via private post and I'll get back to you on
costs and postage as well as further information about
them. Copies are being made for use in QST later this

year so a good opportunity exists if anyone is interested.

Best Regards,

Doug W5JV

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Dewonder@aol.com
Subject: Re: cleaning & Restoration
Message-ID: <970105225029_1491728253@emout03.mail.aol.com>

In a message dated 96-12-31 08:26:19 EST, you write:

>Anyone have experience using " Simple Green " & very hot water on
>cruddy equipment?

As a navy et i used to soak (disconnected and rack removed) radar equipment down real good with '409' and then hose it down. After 24 hours i would retube and fire it back up. never had any problems associated with this cleaning method.

'409' has some warnings on its label now days and so does 'simple green'. both work fine but nowadays i use a product called 'Now'. It is a concentrated nontoxic, biodegradable degreaser and works excellent!

another porduct similar to 'now' is Price Club/Price Co's generic 'Job Master Multi-Purpose Cleaner'. similar to 'Now' though a bit more perfumy. which might not so bad on a dusty/musty old boatanchor.

73,

Bob Harding, KC5LHR
Albuquerque, New Mexico
Dewonder@aol.com

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: km1h@juno.com
Subject: Coax vs Open Frame Relays
Message-ID: <19970105.111748.9895.3.km1h@juno.com>

Hello BA Land:

Coax style relays such as the Dow-Key are of primary importance at any frequency when isolation between the TX and RX ports is of importance in order to prevent RX front end burn-out. Isolation of 60dB and greater is common at HF with this style.

The standard open frame style relays exhibit far less isolation. Values of 50dB at 80M and 30dB at 10M are typical. This amount of isolation is usually sufficient at the 100W level with tube gear. This type of relay was used in all of the tube xcvrs or "twins" such as the Drakes that I am aware of. Even some hybrids that used SS RF amps.

The open frame is used on many commercial KW amps and the combined isolations of the exciter and amp relays has proven sufficient over the years.

They also can exhibit a fairly noticeable impedance bump at 10M in the "thru" position which is easily corrected by tuning out the X1 with a capacitor. Values of 20-70pf are typical and can most easily be determined with a mica trimmer cap wired from the thru leg to ground. Either set and forget or replace with a 500V silver mica. Lower frequency performance will not be disturbed and either cap will handle 100W+ with ease. Of course this "bump" should be of no consequence to most BA gear but it can result in VSWR shutdown in SS gear.

Dow-Keys are nice if you have them and the "clunk" keeps the family awake at night.

If anyone has a spare 110VAC coil to sell, I am interested. I use a pair of Dow's in my HB 2M 1500W amp and have no spare coils.

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: Coax vs Open Frame Relays

Message-ID: <Pine.ULT.3.95.970105124816.2123D-1000000@admin.aurora.edu>

On Sun, 5 Jan 1997 km1h@juno.com wrote:

> Hello BA Land:

> Coax style relays such as the Dow-Key are of primary importance at any
> frequency when isolation between the TX and RX ports is of importance in
> order to prevent RX front end burn-out. Isolation of 60dB and greater is
> common at HF with this style.

What if you use a DPDT relay and use the 2nd set of contacts to short the rcvr line to ground during xmit?

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Lionel Booth <lbooth@comm.net>
Subject: Re: Coax vs Open Frame Relays
Message-ID: <32D054BD.7B46@comm.net>

-----16FC2D3C38961
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

I would think that if you kept the lead length short, minimizing stray capacitance, that it would protect the receiver input. I used at one time a TR switch using a 12AU7 I think built from Handbook plans that provided adequate isolation between a 100w rig and my NC303 for CW and I found this to be far better than the DK relay that I had been using.

Let me know if you try the relay and how it works.

Lionel N5LB

-----16FC2D3C38961
Content-Transfer-Encoding: 7bit
Content-Type: text/html; charset=us-ascii

<HTML><BODY>

<DT>I would think that if you kept the lead length short, minimizing stray capacitance, that it would protect the receiver input. I used at one time a TR switch using a 12AU7 I think built from Handbook plans that provided adequate isolation between a 100w rig and my NC303 for CW and I found this to be far better than the DK relay that I had been using. </DT>

<DT> </DT>

<DT>Let me know if you try the relay and how it works. </DT>

<DT> </DT>

<DT>Lionel N5LB </DT>

</BODY>

</HTML>

-----16FC2D3C38961--

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: BOB/WB0AUQ <brainbol@idir.net>
Subject: Re: Coax vs Open Frame Relays
Message-ID: <32D06D09.228@idir.net>

Bob Roehrig wrote:

>
> On Sun, 5 Jan 1997 km1h@juno.com wrote:
>
> > Hello BA Land:
> > Coax style relays such as the Dow-Key are of primary importance at any
> > frequency when isolation between the TX and RX ports is of importance in
> > order to prevent RX front end burn-out. Isolation of 60dB and greater is
> > common at HF with this style.
>
> What if you use a DPDT relay and use the 2nd set of contacts to short
> the rcvr line to ground during xmit?

>
That's the way I do it. A 3PDT adds RX muting. Not sure would do this
with
an SS RX but no trouble with BAs (in several years, should have noticed
a problem by now....)

Bob/WB0AUQ/brainbol@idir.net
-30-

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: RIlowite@aol.com
Subject: Re: Coax vs Open Frame Relays--A very good idea
Message-ID: <970105180336_1890068635@emout01.mail.aol.com>

The idea sounds very good to me. The recvr protection is well nigh perfect
and the so called impedance bump to the xtr is negligable. Go ahead and do
it. BTW I never did trust Dow Key relays at very hi power, especialy
running mod to hi swrs.
Good luck Ralph W2GKG

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Al Klase <alklase@prolog.net>
Subject: Re: Collins Antenna?
Message-ID: <199701060415.WAA22331@uro.theporch.com>

At 10:37 PM 1/3/97 -0600, Steve Ellington wrote:
>I'm trying to find some info on a dipole antenna made by Collins. Seems

>like it was some kind of wide-band or multi band arrangement. I know
>they made a dipole for portable use that worked like a tape measure reel
>but that's not it. Didn't they sell a fan dipole or one made for use
>with a tuner?

>

IS THIS YOUR ANTENNA?

The 15th edition ARRL Handbook (1938) shows construction details for the "Collins Multi-band Antenna System". It is a center fed Zepp with a 300ohm balanced feeder. A table suggests several combinations of antenna and feed-line lengths including one antenna of 103 feet that does 80, 40 and 20 meters and strikes me as the granddaddy of the G5RV. A 300 ohm feed line was quite unusual in those days, and the suggested construction was 1/4 inch copper tubing on 1.5 inch centers. A tuner was required.

Hope this helps,

Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: dr.electron@juno.com (Richard L Paton)
Subject: RE: Contact Cleaners ?
Message-ID: <19970105.025931.6814.0.dr.electron@juno.com>

Speaking of such, anyone have experience with Miller-Stephenson (sp)
" Contact Renew & Lube " ? Have correct spelling & product # ? URL ?
Thanx, Rich
P.S. It's worked well for my projects.

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: CRTs for sale
Message-ID: <32D00F81.3C2F@sci.mus.mn.us>

I have three nice old CRTs to sell.

- 1) 2AP1 (RCA)
- 2) 2BP1 (RCA)
- 3) 3AHP7 (B-Scan) This is a real nice 1 x 3 rectangular tube with a P7 phosphor. Includes a matching metal shield by James Millen.

All are in perfect condition. No burns. They appear to be unused but I couldn't swear to it.

Best offer on one or all, plus shipping.

--

Chuck Penson
WA7ZZE

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: gamrunrr1@juno.com (joe d spanker)
Subject: DAVE AA9TT Please Read
Message-ID: <19970104.133300.9782.5.gamrunrr1@juno.com>

Dave, I've tried emailing you it has bounced 3 times, The collins stuff is sold, I'm holding the Panoramic PCA-2, T-200 till I hear from you.

Let me know....

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: dumpster dive - the ultimate BA?
Message-ID: <Pine.SUN.3.91.970105112839.4534E-100000@indy2>

Hi, Jeff (et al)!

That could be *part* of a spark transmitting set up, but it is, in fact, an induction coil, an unusual bit of scientifici apparatis but not inherently rare--we had 'em in the sceince labs in Jr. High and I used one in a science fair project in the early '70s.

(You need a tank circuit and possibly a different gap to use it

effectively as a spart transmitter).

However, it **is** a Thordarson, and appears to be quite old--and **that** makes it at least very interesting and possibly rare. Thordarson has been in the transformer business for well over 100 years and this example could be **very** old.

73,
--Bobbi

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Jacqueline Herman <jherman@sierra.net>
Subject: Re: dumpster dive - the ultimate BA?
Message-ID: <Pine.SUN.3.91.970105115046.7139G-100000@diamond.sierra.net>

On Sun, 5 Jan 1997, Roberta J. Barmore wrote:

>
> That could be **part** of a spark transmitting set up, but it is, in
> fact, an induction coil, an unusual bit of scientifici apparatis but not
> inherently rare--we had 'em in the sceince labs in Jr. High and I used one
> in a science fair project in the early '70s.
> (You need a tank circuit and possibly a different gap to use it
> effectively as a spart transmitter).

My 1915 copy of THE BOOK OF WIRELESS shows one side of the secondary spark coil connected directly to the antenna - no tuned tank circuits were used in many of the "school boy" spark xmtrs (much to the dismay of the Navy, commercial, and broadcast folks in those early days of wireless). The length of the antenna did have some effect in determining the transmitted wavelength. So again, the key, batteries, induction coil (with the interruptor) and antenna made up a (crude) 1915 transmitter.

As an aside, in those early days the Chicago Radio Council held the local radio clubs responsible for "smoking out the little boys with untuned spark transmitters" and proposed fining said clubs if they didn't do their part in eliminating the problem! (Sounds like a good idea!)

I'm currently reading FIFTY YEARS OF ARRL and can't put it down - wonderful collection of details of the early days (The ARRL's been around for 80 years, but this book was written in '65; it's been reprinted and is only \$4 - worth every cent!)

73 Bobbi!

Jeff KH2PZ / 7

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: w7ni@teleport.com (Stan Griffiths)
Subject: Electrolytics For Sale
Message-ID: <199701060057.QAA25610@kim.teleport.com>

Well Folks,

I'm going to try it again. I reduced the size of the list some by selling 35 caps to a local in one bunch. No shipping or packing for that sale so it helps cut down the work load so maybe I can manage it.

I will accept bids on the remaining 56 caps. Each cap will be treated as an individual item and you can bid on as many as you want in one email. The minimum bid is \$5 per cap and I will pay the shipping to any North American address. Bids close at the end of the day (Pacific Standard Time) on January 20, 1997. I will then determine a winner for each capacitor and email you a notice. I will wait 2 weeks to receive payment and then declare the second place bidder the new winner.

If you have asked for and already received an old list, throw it away since 35 of those caps are gone and I made a new list with the remaining 56 caps and renumbered it. You will have to ask for a new list. I will not automatically send you a new list even if I sent you one before since I know a few of you do not like the bid process and will choose not to participate. I don't know who will and who will not choose to participate so please send me another list request.

I have thought this through pretty carefully this time and I believe it will work just fine. It will be a lot of work to keep track of the bids but this is the most fair way to distribute them that I can think of.

Stan w7ni@teleport.com

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: gamrunrr1@juno.com (joe d spanker)
Subject: few more goodies
Message-ID: <19970105.055517.10182.3.gamrunrr1@juno.com>

Galaxy Audio Filter VGC, built in supply \$75.00
Heath QF-1 Q multiplier, EXC includes Manual \$50.00

Gonset VFO, EXC, 6/2/220, Collector grade \$100.00
Military Handset H-350/U W/Cable and connector 2 off these \$20.00
each
National Speaker, NC-109/188 style, VGC \$65.00
Johnson Ranger, Good, Factory wired, PTT, \$350.00
Elmac AF-68 TX, And PMR-8 RX, VGC, includes AC/DC supply, Manual
\$400.00

I have these along with a bunch of other items, This is all from a very good friends widow wich is now a silent key, I will be packaging and shipping all items for her, payment will go direct to her. I have not set the prices, these were values listed by the previous owner. If anything interest you please drop me a line.

73

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: "Allan Fritsche" <fritsche@msn.com>
Subject: FM-60A, I didn't Kill myself
Message-ID: <UPMAIL03.199701060123240218@msn.com>

Hi Gang, got a bunch of 1/4 inch slip on crimps last nite from Rat Shack and this morning made jumpers for all the connections needed on the Little FM-60A. Wired in the ac cord with a inline 3 amp fuse per the directions in the manual. OK, before powering up for the first time in 30 years (Atleast) I checked resistance across the AC plug and was dismayed that it read 1 ohm on my little 10 megohm input meter. Checked everything and everything was right per the manual. No shorts to grnd , etc.

So I said , what the Heck, it was only 25 bucks so I plugged it in immediately expecting the fuse to blow. Hey, the fuse didn't and the Yellow Standby lite came on and started to flash at a certain rate.(Is that normal). Something about the new test meters just don't tell the truth.

At any rate, No audio and looking at the filaments in the rec section noticed the 12ax7 stage before the final audio output stage was dark. I then plunked in my last spare and after a few seconds, audio filled the room. Squelch worked , etc. Now the only crystals I got for this set was for 43.04 MC and it was quite as a church mouse for half an hour. Drug out the signal generator and loosely coupled to the rec. Great signal. Just no activity in Houston on that Freq.At least on Sunday.

No more time to work on, had to visit relatives, Got home this afternoon and said , Well lets try to see if the transmitter section is working. Had to

p

clip a lead in for the Push to Talk relay as I had no mike or connector for this unit. Set my RS scanner to 43.04 , turned the unit to operate and shorted the clip to ground. Boom, red transmit lite came on and scanner went in to full quiteing with no ant connected.

So, for something that was treated for with a garden hose, Windex, deoxit, and something else that I can't recall. It made it. Darn these tube things are tough.

Now what to do with it, Any suggestions from the list.

Seems John Seringh (Spelling) had some thoughts on that.

Your friend Al
fritsche@msn.com

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: junque (gotta go!)
Message-ID: <856_9701051105@gigo.com>

hello ba people the following items are for sale or trade.
i am looking for gonsets ! (no two meter am please !)

1. heath qf1 q-multiplier good shape except cracked knob \$15
2. heath dx20 hf cw transmitter in complete and fair shape front panel/knobs/meter GOOD with some grime. case paint is missing in spots. orig ps trans has short b+ to ground so has added 2nd trans for b+. appears to have fil/b+ ok see the current qst for dx20 refurb info !! untested \$35
3. sonar fm40 25-50mhz fm transceiver. compact tube transceiver crystal control unit is complete and in fair shape ! no mic speaker grill pushed in (easy repair) restore for ham fm on 29.6 or 52.525 mhz. in 40 mhz range now. untested \$20
4. hallicrafters cb-3a tube cb. 6 channel with mic, power cord. fair to good condition with dust. w/crystals. untested \$20
5. olsen spotter-3 tube cb. 12 ch tx with vfo rx. good to fair condition no mic with several crystals untested \$20
6. lafayette ha-250a 21-54 mhz linear amplifier powered by 2x12jb6 100 pep input w/2-5 w drive. move tap/changes band w/schematic ! no power cord but includes 8 pin octal plug to make your own ! 100 uf at 450 vdc cap shows leakage and needs to be replaced ! unit front in fair shape. inside looks great ! untested \$85

do not be shy with offers or trades located in sacramento 73 tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: michael.hopkins.1171@corvus.com (Michael Hopkins)
Subject: Re: G.Trotter/McMillin
Message-ID: <9701052007002533@corvus.com>

SO>I found a source for the manuals for my WRL GLOBE TROTTER and my
GALAXY SO>300 with PS/CONSOLE.

SO>Al McMillan "HI MANUALS", P.O. Box 802 Council Bluffs, IA, 51502
SO> (712) 323-9737

As well he might because Al was the second in command at WRL/Globe and
then at Galaxy

No telling what he took out of the dumpster, but he has other manuals
too. He has been in QST for years.

--ab5l

* SLMR 2.1a *

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: John <johnmb@mindspring.com>
Subject: Galaxy Mk 5 Parts, anyone??
Message-ID: <199701051544.KAA09558@borg.mindspring.com>

I need a couple of the self destructing switches found on the
Galaxy Mk V. Anyone have a carcass they'd be willing to sell
me some parts from (or would consider a whole parts rig).
Thanks!
/John

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Jack Harper <jharper@bs2000.com>
Subject: GL-5J29 Cavity Magnetron Specs?
Message-ID: <199701051857.LAA14099@lynx.csn.net>

Anyone have any basic information on the GL-5J29 magnetron? The one that I
have was built by General Electric in, I think, the immediate post-war era.

-----Michael Crestohl W1RC -----mc@shore.net-----

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Michael Crestohl <mc@shore.net>
Subject: Hank Van Cleef's fuse dilemma.....
Message-ID: <199701060332.WAA12758@northshore.shore.net>

On Sun, 5 Jan 1997, vancleef@netcom.com (Henry van Cleef) wrote:

>This little widget box could stand the addition of a nice 1 amp fuse
>in the primary circuit. There are two ways to go about this:
>1. Put an in-line fuseholder in the box.
>
>2. Bore a 1/2 inch hole in the rear chassis apron....

Hank:

I always keep my eyes open at fleamarkets for those nice AC line plugs that have two fuses inside the plug body. These were found mostly in Heathkit and Johnson equipment. You know the type.....

73,

Michael Crestohl, W1RC
mc@shore.net

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: "R. Eric Sluder" <sludere@gte.net>
Subject: Heath Manual Wtd
Message-ID: <32CF37A4.32E0@gte.net>

I'm in need of a manual for the HRA-10-1 xtal calibrator for the HR-10 receiver.
I'll pay the usual copying and shipping costs.
Any help would be appreciated.

73,
Eric

--

#####

R. Eric Sluder, KB9BGS

Carmel, IN

E-mail: sludere@gte.net

#####

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997

From: bdhall@ghg.net (Benjamin D. Hall)

Subject: HQ-150 AVC Wierdness

Message-ID: <32D0590C.36D@GHG.net>

Hiya folks... Having a wierd AVC problem with my HQ-150, and wanted to ask for a sanity check...

With the mode switch in AVC, the audio is low. When I switch to the MAN (manual) position, I get boatloads of audio. This is regardless of the strength of the incoming signal. I checked the 6AL5 (noise limiter, AVC; detector), tested a little weak so in went a NOS one that tested better. No change. Soo000ooo, I dragged out Terman and Radiotron to wise up on AVC, as I was a bit foggy on it. Well, here is my understanding of things: the 6AL5 half responsible for AVC generates a relative negative voltage to apply to the control grids. Therefore, if all the sudden you get more signal, more voltage is produced by the 6AL5 half which places more negative volts on the control grids, leading to less gain in those tubes, which keeps the output volume at a relatively constant level. (I apologise for my bad terminology, I'm sure I've hacked up the lingo something fierce here!)

So, I chucked my earlier theory: Had it been a bad 6AL5, the rectifier wouldn't have worked well, putting less relatively negative volts on the control grids, leading to more gain than wanted for that signal level. And on strong signals, this leads to blocking.

But that isn't what is going on. Seems like I've got too much negative volts going to those control grids. So, methinks I've got a resistor that has shifted down in value, allowing too much negative volts to get to those control grids. Isn't that the failure method with carbon comp resistors? They shift down in value? I'm specifically gonna look at R33, a 2.2 Meg job right in the AVC path. This set is mostly silver micas, micas, and ceramic disks, so that fact combined with the appearance of the problem leads me to beleive it isn't cap related...

Comments anyone?

Thanks and 73,
Ben

--

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHG.net (home) -or-	involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov	Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address,
BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Eugene Rippen <soundval@foothill.net>
Subject: HRO Coils FS
Message-ID: <32D02D92.3F7A@foothill.net>

I still have some HRO Coil Sets left. These have handles and charts on the front.
NO dial strips.

AND I WANT dial strips for E, F, G and AC

Add shipping. Disclose your ZIP address, it helps.

\$30.00 each set:

- (2) 5is
- (1) 4
- (2) 6is
- (2) Ais
- (1) B

As far as I know 4 = D, 5 = C and 6 = B, There has however been some discussion
of this.

Eugene Rippen, 105 Donnington, Auburn, CA 95603

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: jproc@bellglobal.com
Subject: Re: IFF System (re inquiry)
Message-ID: <Chameleon.4.01.2.970105125847.jproc@>

Dear BA'ers,

The question regarding the UPA 24 IFF transponder that I posted on Jan 4 was

incorrect. Thanks to Dale Richardson of this group, he pointed out that the UPA24 was the only video group decoder portion of the IFF system. The real question is:

Does anyone have info on the UPX-1 and UPX12 (transponder) IFF systems? I need this info to complete a research paper. Can anyone at least confirm that the UPA 24 was indeed part of the UPX-1 and UPX12 system?

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: "Edwin G. Buttell" <edd.b@snet.net>
Subject: info on RCA/MAR ba
Message-ID: <32CCDEDE.5AFA@mail.snet.net>

Hello BA lovers:

I need information on navy boatanchor equipment; mar radio transmitter and receiver. type crv-43067 sr#2586. 10 channel, xtal controled, autotune, am. Seperate ps and mod. Uses 2c39 in pa.

Thanks de W!AFA Edd.B

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Lesson learned
Message-ID: <199701051054.CAA00546@kim.teleport.com>

>Lesson is this: My 807 putting out 100 volts p-p on the scope. Had been
>running rig for 5 hours and had the scope hooked up. Frequency is 1.925 mhz.
>
>Max. input for scope says 300 vp-p. I was well under that limit.
>
>Probe quit! It became hot/warm and I think the little adjusting cap. has been
>damaged. I can no longer adjust the square wave properly(not even close) and
>the voltage reading is three times lower than it should be.
>

>Conclusion: only short visits with the scope probe.
>
>Question: can probes be repaired? Can those little adjustable caps be
> purchased?
>=====
>Richard@Sacramento

Hi Richard,

Most probes have a DC voltage rating and are derated for RF, ie: it takes less and less to damage them as the frequency goes up. You probably exceeded the derated limit on your probe.

Anyway, most probes can be repaired. You did not mention if yours is a Tek probe or not, but I guess that it is. If so, I may have a part to fix it. What is the probe type number and what is the cable length?

Let me know and I will see if I can help you.

Stan W7NI@teleport.com

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: W4AOS@aol.com
Subject: Light Sensitive 6SL7 !
Message-ID: <970105104607_1558753706@emout05.mail.aol.com>

While using a 10 watt amplifier I built for use with "audiophonically challenged B-A's" I noticed that I seemed to be getting more hum from the amp than I remembered when I originally built it about a year ago. While checking around with shields etc. I noticed that when I moved my arms over the tubes the hum stopped. Further trial and error showed that not only would a piece of aluminum held over the input 6SL7 stop the hum, but so would a piece of cardboard! Turning off the fluorescent light over the bench also stopped the hum. Therefore I was left with the inescapable conclusion that this tube was sensitive to the light pulses being emitted from the fluorescent tubes.

Another 6SL7 fixed the problem for me, the amp is now silent as the tomb. A tube tester check of the noisy tube showed it to have normal Gm and showed signs of gas on one half only. (I don't see how a tube could be gassy on only one side, but that's another story.) Anyway the moral of this tale is: expect anything when troubleshooting tube devices, and remember tube testers don't tell you everything. I'm just glad I didn't go to the trouble of installing a shield for this tube before I discovered this weirdness. For me these events are all part of the fun of working with Boatanchors, you get a chance to play Sherlock Holmes, learn something in the process, and it really

feels good when you solve the problem.

Now I don't know whether I want to just throw the pesky 6SL7 out or use it as the photo tube in one of those circuits which ring a chime when someone breaks a light beam.

Has anyone else on the list found tubes sensitive to light (ones which aren't supposed to be)?

73 Bob w4aos@aol.com

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Morris Odell <morriso@vifp.monash.edu.au>
Subject: Re: Light Sensitive 6SL7 !
Message-ID: <32D05698.4D7A@vifp.monash.edu.au>

Hi fellow emissives,

W4AOS@aol.com wrote:
>

> would a piece of aluminum held over the input 6SL7 stop the hum, but so would
> a piece of cardboard! Turning off the flourescent light over the bench also
> stopped the hum. Therefore I was left with the inescapable conclusion that
> this tube was sensitive to the light pulses being emitted from the
> flourescent tubes.

As it happens I was looking through an old textbook yesterday (K Henney(ed), "Electron Tubes in Industry" about 1934) when I found a fascinating discussion of low current measurement using electrometer tubes. It describes a tube called an FP-54 which was especially constructed to have an incredibly high grid impedance and was able to measure current flows down to 60 electrons per second. To get to the point, it was found that photo-electric emission from the grid resulted from illumination from the cathode, requiring the cathode to be operated at as low a temperature as possible. Other precautions included using fused quartz or amber insulators, guard circuits (although they didn't call them by that name) and running the tube in an evacuated outer chamber in the dark.

So while we are concerned mainly with thermionic emission, it's important to realise that materials may be stimulated by other forms of radiation and some impurity in the 6SL7 must have had photoelectric properties (either that or the tube had unusually high sensitivity <joke>).

Has anybody here had experience of such exotica?

73

Morris VK3DOC (sweltering in a 39C Australian summer heatwave)

Morris Odell Victorian Institute of Forensic Medicine
Forensic Physician 57-83 Kavanagh St, Southbank 3006
morriso@vifp.monash.edu.au Victoria,
Australia

Web page: <http://www.vifp.monash.edu.au/CFM/staff/mo.html>

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: k0az@i1.net (MIKE SANDERS)
Subject: Re: Light Sensitive 6SL7 !
Message-ID: <199701060217.UAA15471@mail11.i1.net>

Howdy, I do not know about light sensitive but the subject touches on the
flourecent lamp and here is an experience. About 25 years (almost) ago
I was in qso with a fella on 40 cw using a DX60 and vfo and he said my note
was bad news. To make a long story short I found that the desk lamp did
it. When turned off note was clean as a whistle and when turned on it was
crappy. No sweat I just worked cw in the dark just like most things I do.
heheheh.....73, Mike
K0AZ

>
>Has anyone else on the list found tubes sensitive to light (ones which aren't
>supposed to be)?
>
>73 Bob w4aos@aol.com
>
>
>

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Line voltage?
Message-ID: <199701051055.CAA00671@kim.teleport.com>

>Now, the questions!
>
>The R-390A is happily playing along right now at 100 VAC. Seems to work

>all the way down to 90 VAC without a loss of audio or sensitivity. Is
>there anything wrong with running the 390A at around 100 VAC? Seems to
>me since the audio and sensitivity aren't dropping off when I drop the
>voltage to it, that I'm not dragging B+ out of regulation, and so 100
>VAC would be fine. Comments?
>
>What about other sets without such elaborate B+ regulating? Anything
>wrong with running them on a reduced line voltage like 100 or 110 VAC?
>
>Once again I thank all of you for your comments.
>
>Thanks and 73,
>Ben

Hi Ben,

If it was a Tek 545A scope you were talking about, I would suggest running it at around 115 VAC rather than lower. The 545A is specified to work from 105 to 125 VAC but I happen to know that the series regulator tubes in the power supply have to haul more current when the line voltage is low. This is because the unregulated source going into the regulator is supplied through a resistor in parallel with a series regulator tube. As the unregulated voltage goes down, the current supplied through the resistor decreases and the shortage has to be made up by the tube. The first sign of a weak regulator tube is that the supply won't regulate at low line voltage (105 VAC).

I can't advise you on the other stuff and it would be interesting to hear what Hank has to say about this.

Stan w7ni@teleport.com

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: maccary@on-ramp.ior.com
Subject: Re: Line voltage?
Message-ID: <m0vgx6v-001KKmC@on-ramp.ior.com>

Dan Armeý said it all for me:

"In the airline business where I spent
>about 40 years as a pilot /A&P mech./Elect Tech lots of ground
>schools etc. A couple of things came across very good many times.
> 1. If it works don't F--K with it. 2. if you do it gets out of
>shape. 3. It is very hard and time consuming to try to get the fly
>shit out of the black pepper."

I have been homebrewing stuff since I was about 12, that would make about 60 years of solder fumes, and so go with the flow using whatever part falls off the shelf. My R274FRR/D came with an assortment of knobs and missing covers. The crystal position would feedback in some positions of the trim cap so the RX needed the bottom cover. I found a sheet of aluminum from an old freezer, sawed it to size, bolted it down and voila, no more feedback. As to the knobs, I replaced one with a knob with a numerical scale on the skirt so resetting would be easier. If the bandswitch knob had been missing, it would not offend my sensibilities to use the lever off a toilet tank.

On another subject, has anyone delved into the AVC amp and S meter circuit on the Galaxy 5? This rig is one of those hybrid abominations and these transistorized circuits are on a card down in the chassis. Is there an extender to get them up into the daylight or do I just replace stuff. No chance of checking under power because with the lid up about 800 jolts lurks on the 6HF5 plate caps. Rig seems to work OK, except that the S Meter went into a slow death. Same meter is used in tuneup and functions normally.

Mac

Lawrence M. MacCary --- A Subscriber at Internet On-Ramp, Inc.

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Jack Harper <jharper@bs2000.com>
Subject: Re: Line voltage?
Message-ID: <199701051846.LAA13633@lynx.csn.net>

At 20:53 1/4/97 -0600, you wrote:

>Hi Ben, I do not mean to be or sound like a smart ass, but if and
>when other equipment works fine at 100/103.5/110/113.9/117.2/119/or
>121v why worry about it. In the airline business where I spent
>about 40 years as a pilot /A&P mech./Elect Tech lots of ground
>schools etc. A couple of things came across very good many times.
> 1. If it works don't F--K with it. 2. if you do it gets out of
>shape. 3. It is very hard and time consuming to try to get the fly
>shit out of the black pepper.
>
<snip of lotza interesting stuff>

I would argue that running BAs on a variac makes great sense as you can get the filament voltages to 6.3 (or whatever) where they belong. I recall a thread of several weeks/months ago about greatly extended filament life by running the tubes at slightly below the 6.3 (or whatever) -- I also recall that the whole thing seemed rather nebulous but that in general a slightly derated voltage apparently extended filament life considerably.

I also recall someone's idea that by bringing up the line voltage over a few

If you trace the circuit for the AVC pull-down transistor, you'll see that it tries to pull to a negative voltage through a resistor in the emitter circuit (going from memory here....don't shoot me if I have some details wrong). You may find that the pumping action of this transistor is ineffective at taking the AVC line negative. If you do, you may get better AVC performance if you will bypass the emitter lead of this transistor, thereby lowering its effective transient source impedance.

I'd look at the size of the AVC cap and choose a bypass that is at least 10X larger. I made this change to my Galaxy and it caused the AVC to go from not working at all to working relatively well.

The S-meter circuit in my Galaxy is drifts. This has to be a temperature sensitive component that I just haven't yet isolated. Regardless, at turn on, the S-meter barely wiggles, preferring to just lay against the left pin. After "a while" (that's a very scientific measure that is within +/-5%), some circuit parameter changes and the S-meter decides to participate in the radio's normal operation. A previous owner tried to hack this into working by changing some of the values of the relevant carbon comps, but to no avail. I've changed every related resistor I can identify to a metal film and the S-meter still misbehaves. I'd be interested in knowing if this is similar to the behaviour you see and what you discover to be the problem.

> This rig is one of those hybrid abominations and these
> transistorized circuits are on a card down in the chassis. Is there an
> extender to get them up into the daylight or do I just replace stuff.

No extender that I know of. To work on mine, I undid the three screws that hold the PC board in place, loosened the cable clamp for the wiring harness, and fashioned a support so the card would be up out of the radio as I probed it. I also made a rough sketch of the artwork and component locations so I can more easily find things. This was tedious, but well worth while and I recommend it to anyone wanting to work on this board.

73,

Jim - km6nk/4

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: k9gdt@juno.com (George P Sieverson)
Subject: Manual Wanted for GR1205-B Power Supply
Message-ID: <19970105.222905.3638.0.K9GDT@juno.com>

Greetings friendly firebottle fanatics,

I'm looking for a manual/schematic for a Generous Radio 1205-B adjustable regulated power supply.

It's outputs are 0-300VDC @200ma, -150VDC @5ma, and a pair of 6.3VAC outputs @ 5A. This unit was given to me so I can check out the RF

portion of my R174, currently on the bench awaiting tubes.

The power supply works fine, but having a service manual should ensure that it never needs repair. ;-) A copy of the manual would be OK, just looking for the information.

Thanks in advance,

73, George

George Sieverson

Barrington, IL

K9GDT@JUNO.COM

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997

From: KB9VU@aol.com

Subject: Re: Matchbox info

Message-ID: <970105042013_1123310216@emout10.mail.aol.com>

In a message dated 97-01-04 20:18:30 EST, MODSTEPH@ACS.EKU.EDU writes:

> Generally, yes. Johnson xmtrs have a separate two-plug socket
> (which is a pain to find connectors for), and most other xmtrs put
> 110 AC on two pins of accessory sockets when the xmtr was turned to
> the TRANSMIT position. This way, with the "matchbox" connected to
> everything, one switch put you from RECEIVE to TRANSMIT and vice-
> versa, if you connected your transmitter, receiver, antenna, and
> muting circuits to the appropriate connections on the back of the
> matchbox.
>

Conard Murray WS4S (Glowbugs Listowner) showed me a trick for the 2 prong plug used on the Valiant. The plugin crystal mount from a 243 series crystal works fine. Wire the relay to the crystal base and plug it into the Valiant terminal. Nice!

Thanks Conard.

Mike, kb9vu@aol.com

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997

From: DCPIN@aol.com

Subject: Matchbox Q&A response

Message-ID: <970105214949_745569226@emout04.mail.aol.com>

Thanks BA hams,

I received many answers to my question, each with very interesting insights. I know Jack doesn't like this kind of message, however thanks to all the helpful, nice people on this reflector. You all have restored my faith and interest in amateur radio. These are the kind of hams I want to be associated with. As I learn more about this I will be able to contribute. Thanks Chris K04QW (exWA4CPQ)

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Mike Toneri <toneri@ils.net>
Subject: Need help with Valiant 2 problem
Message-ID: <199701060044.TAA02410@server1.ils.net>

Thanks for reading this. I have an unusual problem with my Viking Valiant 2. I have very little grid drive on 80 metres no matter where I set the drive control or exciter tuning when operating CW or AM. If I set the XTAL/VFO switch to the ZERO position, I get lots of drive. This problem is on 80 metres only.

So far I have re-soldered all the connections on the XTAL/VFO switch, the band switch wafer associated with the driver (5763) and all nearby components. The tubes are OK (tested on tube tester and tried in other rigs). The voltages to the buffer and driver tubes are within tolerances. This one really has me scratching my head. Sometimes after the rig has been on for a few hours, the problem sometimes goes away. Perhaps a component is not up to snuff although I have checked the resistors (all ok). Any help would be appreciated.
73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: the-radio-doctor@juno.com (Rob D Long)
Subject: Need info on Amp
Message-ID: <19970105.022646.3366.1.the-radio-doctor@juno.com>

Hi All, I'm Getting ready put my First BA station on the air, the end of this month is the plan! I'm interested in building an 811a Amp to put behind my Transmitter! What I need are parts and A GOOD Schematic for this fellow! I need this to be a relatively inexpensive project, would like to put together 4 tubes, Plus or Minus a few! This should make a halfway decent amplifier. If you have anything to help me out with, including parts/Schematic/advice or even a complete or unfinished Amplifier let me know. I have a few interesting items i could swap including a Pretty nice computer system.

73, Rob

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Allen Tucholski <allent@en.com>
Subject: New 2K25 and 2K50 Klystrons Forsale/trade
Message-ID: <1.5.4.16.19970105213411.2be77cca@en.com>

Hello All

I have two new JAN (Sperry) 2K25's date code 6052
and two Jan Bendix 2K50's date code 6817
Antique Supply lists the 2K25's for \$72 each!
I'll let them go much lower than that.

Looking some interesting trades or best offer for all.

Allen

NASA Lewis Reasearch Center
Cleveland, Ohio

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: w7fg <w7fg@w7fg.com>
Subject: New Addresses for W7FG
Message-ID: <199701050449.WAA09603@newton.cimnet.net>

I have a new E-Mail and Homepage address Now.

E-Mail : w7fg@w7fg.com

HomePage : <http://www.w7fg.com>

Still looking for photos of Your shacks to put on
<http://www.w7fg.com/photos.html>
I can scan photos and return them to you.

73's Gary

```
-----  
| W7FG Vintage Manuals |  
| 3300 Wayside Drive |  
| Bartlesville, Oklahoma 74006 |  
| |  
| Telephone: 918-333-3754 |  
| Orders Only: 800-807-6146 |  
| |  
| HomePage: http://www.w7fg.com |  
| E-Mail w7fg@w7fg.com |  
-----
```

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: New End Table
Message-ID: <64394.ddillman@igc.apc.org>

For those of you who attended today's swapmeet at Livermore and wondered what nutball would ever buy the hand-crank Victory ship emergency lifeboat transmitter, well... it was me. I figured that if I ran out of gas on the way home I'd at least be able to summon help.

But I didn't run out of gas and it's now in my living room serving as a left side end table for the couch (the right side being already served by a SP-600JX).

This is the RCA Radiomarine model ET-8063 transmitter-receiver, successor, I believe, to the famous "Gibson Girl" set which I assume was standard issue for the Liberty Ship. The ET-8063 provides automatic operation on 500kc (SOS, autoalarm signal and 30 sec. DF signal) or manual operation on 500kc and 8364kc, Morse only in both cases, of course. For HF the receiver is tunable from 8250 to 8750kc but on 500kc no tuning is possible. There are separate controls to peak each transmitter according to the brightness of a panel lamp. The antenna may be either a vertical, multi-section aluminum rod or a 40ft. wire that may be suspended from the rod and/or mast(s) of the lifeboat. Apparently, the ET-8053 operator had to forego the pleasure of flying the kite antenna that was a feature of the Gibson Girl.

A hefty crank handle fits in each side of the box and the whole shebang is secured to the lifeboat seat and gunwales with provided straps. This particular unit is dated Nov. 1956 and is serial number 56150, indicating to me that this wasn't exactly a mass production item in that year. It came with dummy load RM-199 which should allow me to at least hear it on a local receiver as soon as a suitable source of cranking power pays a visit (unfortunately, Sprout is away on a secret mission).

I'd be happy to hear any stories, technical information or history from anyone with knowledge of the ET-8053.

Dick Dillman
WPE2VT W6AWO
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: "Christopher A. Bowne" <radiobwn@riconnect.com>
Subject: Re: New End Table/Modern Gibson Girls?
Message-ID: <30EDE478.4D7A@riconnect.com>

Are hand cranked emergency lifeboat radios still used?

A few years ago, a Stonington commercial fishing boat was lost in a winter storm. The unsuccessful search for survivors lasted many days. One of the factors of concern as time went on was that the batteries for any ELTs they carried would have been discharged after a few days. No mention was made of any Gibson girl type emergency radios. I remember wondering at the time that it would be very easy to power a modern solid state ELT with a hand cranked generator, or for that matter, a portable wind generator or a solar panel, as battery back-ups. Are such backup power sources utilized for modern maritime emergency radio gear? Hopefully, the new ELTs incorporate a handheld GPS receiver so they not only can act as a beacon, but also can transmit their exact position!

73,

Chris Bowne, AJ1G
Stonington, CT
radiobwn@riconnect.com

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997

From: vancleef@netcom.com (Henry van Cleef)
Subject: Purism and fuseholders
Message-ID: <199701052119.0AA12233@netcom7.netcom.com>

I'm sitting here looking at the now-cleaned-up VHF-152 (not "A"), doping out the circuit for it (no schematic) and ohming out the resistors (it has resistor rot in places).

This little widget box could stand the addition of a nice 1 amp fuse in the primary circuit. There are two ways to go about this:

1. Put an in-line fuseholder in the box. This would require soldering a new terminal strip to the chassis somewhere (same methodology as the original construction). I don't see any really neatsie-keen way to do this, given the existing wiring (in a harness), real-estate available, etc.
2. Bore a 1/2 inch hole in the rear chassis apron and mount a fuseholder in it. In actuality, I would probably open up the existing line cord hole for the fuseholder and bore a new hole for the linecord, for a snap-in strain relief for a 3-wire cord. There is adequate real estate available for this. My feeling about it is that had the original manufacture design included a fuseholder, the holes for the fuseholder and line cord would have been above and below the existing line cord entry hole, symmetrical on the panel. With one hole already present, the new hole will not be symmetrical.

I note that the box I am working with is a very clean example of a VHF-152. In short, except for needing a new power cord and a few resistors, this unit looks like an example of "suddenly, it's 1946." Unfortunately, 1946 practice was to use two-wire cords and no fusing.

I'm a firm believer in following the changes made to US practice in the fifties, that added the NEMA 15 3-wire standard AC P/J connectors, and in following good instrumentation electronics design practice, which includes a primary power fuse in the unit itself. Boxes like this can give some pretty hefty shocks, and there are long and dismal histories of boxes that relied on the 15 amp mains fuse catching fire and destroying lots of things. There are very strong justifications for upgrading the primary power wiring to later standards. I feel a bit of added incentive because I have a nice clean RME-69 that toasted its power transformer because there was no fuse in the box. Someone of the "if it's working, don't fix it" school did a lot of work on the unit, with the end result that it very nearly burned the place down.

But I do wonder about actually cutting a new and rather large hole in the back apron of a clean and quite original/unmodified box. While there is space, and doing a neat installation is not difficult, with a

fuseholder in place, the box certainly won't be "original" any more.

I'll wait and listen to a few opinions before getting out my 1/2 inch hole cutter.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: John <johnmb@mindspring.com>
Subject: Re: Purism and fuseholders
Message-ID: <199701052141.QAA13725@borg.mindspring.com>

At 03:20 PM 1/5/97 -0600, you wrote:

>I'm sitting here looking at the now-cleaned-up VHF-152 (not "A"),
>doping out the circuit for it (no schematic) and ohming out the
>resistors (it has resistor rot in places).

>

>This little widget box could stand the addition of a nice 1 amp fuse
>in the primary circuit. There are two ways to go about this:

Hank,

While I'm not fanatical about originality, and wanting as you do, to keep from burning the house down, I'm not really excited about modifying gear if I don't need to.

I've generally been able to find one or more mounting holes or bolts, that use #4 or #6 hardware, that will mount one of Rat Shacks grey plastic fuse block to the chassis somewhere unobtrusively. This accomplishes the goal of providing some protection, while not hacking a nice original box when it doesn't need to be.

The holder I am referring to, also comes in a four-up arrangement that cuts apart to form 4 discrete holders, very inexpensively. While I don't have a RS catalog here, the unit I am referring to is similar to the one in the new AES catalog on P35 as "S-H259".

Best of luck on that little box!
/John

+-----+
John Brewer johnmb@mindspring.com
WB50AU/4 AMI #24

Vintage Gear web page: <http://www.mindspring.com/~johnmb>

-----+
From boatanchors@theporch.com Sun Jan 5 19:58:31 1997

From: Walt Novinger <waltn@earthlink.net>

Subject: Re: Purism and fuseholders

Message-ID: <32D0083C.30AD@earthlink.net>

Henry van Cleef wrote:

>
> I'm sitting here looking at the now-cleaned-up VHF-152 (not "A"),
> doping out the circuit for it (no schematic) and ohming out the
> resistors (it has resistor rot in places).
>
> This little widget box could stand the addition of a nice 1 amp fuse
> in the primary circuit. There are two ways to go about this:<snip>
> But I do wonder about actually cutting a new and rather large hole in
> the back apron of a clean and quite original/unmodified box. While
> there is space, and doing a neat installation is not difficult, with a
> fuseholder in place, the box certainly won't be "original" any more.Hank,

A couple of options spring to mind:

1) To assure that you can put the old girl back to original condition if anyone wanted you to, you could use RTV or other silicone adhesive to mount the internal fuse holder on the chassis apron. Simply lift one leg of the power cord from its existing connection and tack new wire(s) to include the holder in the circuit. Removal and replacement of the original wire would be a snap.

2) If you are willing to retain the original two-wire configuration, you could also use one of the early (50s-60s vintage) plugs with internal fuses (3AG as I recall) to fuse the unit at the wall. This would require no internal mods to the unit, but would still give fused protection. I don't remember if these were available in a polarized configuration or not, but they do fuse both sides of the line. I never saw three-wire plugs with internal fuses (other than in the UK and Ireland) but they may be available.

I have used approach 1) on many of my pieces of gear and have been happy with it. I, too, would hesitate to drill a hole for a fuseholder in an otherwise pristine piece of equipment.

Walt

=====

Walt Novinger

Real Radios Keep You Warm At Night!

Collector of hollowstate communications receivers and test equipment
waltn@earthlink.net wnovinger@shl.com CI\$: 73348,2015

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: pmills@A.crl.com (Phil Mills)
Subject: Re: Purism and fuseholders
Message-ID: <199701052226.AA28931@A.crl.com>

>
>I note that the box I am working with is a very clean example of a
>VHF-152. In short, except for needing a new power cord and a few
>resistors, this unit looks like an example of "suddenly, it's 1946."
>Unfortunately, 1946 practice was to use two-wire cords and no fusing.
>

Hank,

First, I think you can find a 3-wire cord that is small enough to use the original a/c cord hole. I've had pretty good luck at this, even using the snap-in cord retainers. Next, if this is such a darned nice unit, I'd get a mini-box and mount one of those twist-to-remove fuse holders in it and hard wire it in the a/c line external to the VHF-152. Then, if someone wants to restore the unit to its "pure" form at a later date, all they have to do is replace the a/c cord.

good luck,
Phil

.
Phil Mills, AB5TH ***** *****
pmills@a.crl.com
281-992-5762 days
Friendswood, TX (south of Houston)

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Purism and fuseholders
Message-ID: <199701060058.QAA25955@kim.teleport.com>

>I'm a firm believer in following the changes made to US practice in
>the fifties, that added the NEMA 15 3-wire standard AC P/J connectors,
>and in following good instrumentation electronics design practice,
>which includes a primary power fuse in the unit itself. Boxes like
>this can give some pretty hefty shocks, and there are long and dismal
>histories of boxes that relied on the 15 amp mains fuse catching fire

>and destroying lots of things. There are very strong justifications
>for upgrading the primary power wiring to later standards. I feel a
>bit of added incentive because I have a nice clean RME-69 that toasted
>its power transformer because there was no fuse in the box. Someone
>of the "if it's working, don't fix it" school did a lot of work on the
>unit, with the end result that it very nearly burned the place down.

>

>But I do wonder about actually cutting a new and rather large hole in
>the back apron of a clean and quite original/unmodified box. While
>there is space, and doing a neat installation is not difficult, with a
>fuseholder in place, the box certainly won't be "original" any more.

>

>I'll wait and listen to a few opinions before getting out my 1/2 inch
>hole cutter.

Hi Hank,

When I get my hands on a virgin Tek scope, I always yank out the two wire connector and install a 3 wire one. Of course, in this case, I don't normally have to do any sheet metal work since the three wire one usually fits right in place of the two one. (I always keep the old two wire ones just in case I resent having done the mod so I can restore it, if I want.) I also make sure the fuse is in the "hot" side when I do this and the "hot" wire goes on the fuse holder post and not the ring for safety reasons. Mostly, I am a purist but I have my limits when it comes to compromising safety, just like you.

What would you think of using one of those AC power plugs that has the fuses installed right in them for your current project?

Stan w7ni@teleport.com

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997

From: Scott Robinson <spr@earthlink.net>

Subject: Re: Purism and fuseholders

Message-ID: <v03007802aef590bde802@[153.34.196.25]>

Hank,

"I'll wait and listen to a few opinions before getting out my 1/2 inch hole cutter."

You want opinions? Have I got a deal for you...facts are a little harder. However, you will be pleased to know that Belden makes a U-ground line cord assembly with the fuse built-in to the plug. Looks jes' like a regular molded plug, but one prong turns 90 degrees and pulls out to reveal a fuse

behind it. This news is current as of about 4 years ago-we used them at work. They did cost about 10 bucks a copy, but sound like the perfect escape from your dilemma.

If you have trouble identifying them, let me know and I'll dig around at work.

Probably oughta post the Belden part number to the BA list whenever found.

I do, however, disagree with you as to grounding practice. My usual bench set-up must be able to measure signals in the audio range in the microvolts, and ground loops are a continual problem. If I float inputs from the cases of the instruments, RF crud from the digital parts of things ruins the measurements. If I don't, hum loops through the damn U-grounds ruin it. I keep a large number of ground lifters on hand to solve this problem.

Different situations do require different solutions. I'm not using a lot of 50 year old insulation in the power transformers at work.

Regards,

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Purism and fuseholders
Message-ID: <Pine.ULT.3.95.970105193622.8025C-1000000@admin.aurora.edu>

On Sun, 5 Jan 1997, Henry van Cleef wrote:

> I'm sitting here looking at the now-cleaned-up VHF-152 (not "A"),
> doping out the circuit for it (no schematic) and ohming out the
> resistors (it has resistor rot in places).
>
> This little widget box could stand the addition of a nice 1 amp fuse
> in the primary circuit. There are two ways to go about this:

I'd go with no. 1 if possible. There are 2 types of what I call in-line holders - those that mount on a chassis with a screw, and those that

have wire leads like usually are used in automotive applications.
If you use the chassis mount type you could just double-sided-tape it
under the chassis and probably not need to add a terminal strip.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: "Jim Berry" <basalop@eskimo.com>
Subject: Re: Purism and fuseholders
Message-ID: <199701060215.SAA24768@mail.eskimo.com>

Hello Group,

Hank and Stan were talking about 3 wire line cords and stuff:

99% of the time I replace the old 2 wire cord with a 3 wire. The old 2
wire usually looks like a rat has been chewing on it anyway. These
days with the cost of a simple computer switch box, I no longer go to
the trouble of hacking up the radio and adding a fuse or anything.
Plug the radio into a \$9.95 computer power outlet. You can take the
circuit breaker out and replace it with a fuse if you wish. I use
the power strips that are made out of metal and assembled with
screws. Have not played with the plastic ones yet and if you have a
metal one that has been popped riveted together I would not think it
would be that much of a deal to drill out the pop rivets if you
wanted to take it apart.

>I'll wait and listen to a few opinions before getting out my 1/2 inch
> >hole cutter.
>
> Hi Hank,
>
> When I get my hands on a virgin Tek scope, I always yank out the two wire
> connector and install a 3 wire one. Of course, in this case, I don't

> What would you think of using one of those AC power plugs that has the fuses
> installed right in them for your current project?
>
> Stan w7ni@teleport.com
>

73 Jim
Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360

Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Peter Ferrand <petef@sprynet.com>
Subject: Re: Purism and fuseholders
Message-ID: <3.0.32.19970105213029.00ce3260@m3.sprynet.com>

At 03:21 PM 1/5/97 -0600, Henry van Cleef wrote:
>I'm sitting here looking at the now-cleaned-up VHF-152 (not "A"),
>This little widget box could stand the addition of a nice 1 amp fuse
>in the primary circuit.

Well I hate drilling extra holes almost as much as I hate having this stuff set fire to the house.

The plug with the built-in fuse is the neatest solution, but may be hard to get or expensive.

All you really have to do is install a three wire mains cord to the set, then hard wire the other end to a small box, within which you can install whatever fuses, breakers, surge protectors, neon lights, switches, and telemetry interfaces you wish. The box also has a three wire line with a standard plug on it, of course.

Obviously any box will work, but the home supply stores sell nice tough plastic ones all set up for electric cable connections.

You might also be able to find in-line fuse holder that can be spliced into a standard cord - would be worth checking with a real electrical supply store to see if that exists in reality or just in my memory. There are such things for automotive applications, not sure if they're rated for line applications.

Here's another semi-related idea I haven't fully checked out - it should be possible to fuse a whole bunch of things by taking one of the now-very-cheap power taps and installing fuses or breakers for each of the outlets.

-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: jproc@bellglobal.com
Subject: Re: Purism and fuseholders
Message-ID: <Chameleon.4.01.2.970105212737.jproc@>

>that will mount one of Rat Shacks
>grey plastic fuse block to the chassis somewhere unobtrusively.

Hank,

John Brewer is referring to the Radio Shack fuseholder 270-739. If you don't have a hole to mount it, use RTV to affix it to the chassis. Install a three wire cord and save the old cord if its not frayed. This should make the mod reversible and provide the safety protection that you are seeking.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Purism and fuseholders
Message-ID: <Pine.ULT.3.95.970105223212.10195D-100000@admin.aurora.edu>

On Sun, 5 Jan 1997, Peter Ferrand wrote:

> The plug with the built-in fuse is the neatest solution, but may be hard to
> get or expensive.

Some commercial ham equipment used to come with these things. Problem is that both sides were fused and the plug was not polarized. What if the neutral fuse goes? So much for protection. I believe that these were "outlawed" later on.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: rhys@ix.netcom.com (Lawrence D. Wolken)
Subject: R-390A restoration by Chuck Rippel
Message-ID: <199701050537.VAA01153@dfw-ix3.ix.netcom.com>

Howdy Gang --

Just brought home an EAC '390A that I had dropped off at Chuck's a few weeks ago and it is unbelievable what he's done to it.

Cosmetically: not only does he repaint the knobs, escutcheon, and meter bezels with black epoxy paint but he bakes it on. The front panel on mine wasn't bad so he just repainted the lettering and touched up the gray but he showed me a panel he had completely repainted - panel and lettering and it was beautiful with crisp lettering like new. EVERY screw on the front panel is replaced also with new stainless hardware. Even the handles were polished to a nice shine.

Mechanically: the one I gave him had no PTO or Oldham coupler in it so needless to say the kc knob spun pretty easily. The shocker was when he returned it with a newly rebuilt PTO installed the knob spun even easier and smoother. He had cleaned and lubed the entire gear train.

Electrically: While most folks would hesitate to open up the PTO he disassembles, cleans, and lubes them and then sets the end points for exact linearity. When he got through with mine, it was true from one end to the other within 200Hz. We checked sensitivity figures while I was there and found them to be from .12-.15 uv up to 15MHz.

He also goes over everything else with a fine tooth comb and provides a complete printout of exactly what work was done on your '390A -- obviously a labor of love. If you want just one rig in your collection to be "right" -- perhaps beyond your own ability on the '390A -- you couldn't do better guys.

What's the old phrase -- everybody thinks they're a painter until they see one. Well I've "seen one".

Enjoy the new year and may it bring you many wonderful boatanchors in strange and suprising ways.

73

Larry Wolken N30JD

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: rhys@ix.netcom.com (Lawrence D. Wolken)
Subject: R-390A restoration by Chuck Rippel
Message-ID: <199701060157.RAA13049@dfw-ix10.ix.netcom.com>

Howdy Gang --

Sorry I forgot to mention how to get in touch with Chuck about working on an R-390A. He can be reached at home in the evenings generally after 8PM at 757-485-9660. He's located in southeastern Virginia.

Many asked about pricing and I would say best to talk to Chuck about that. He and I worked out an exchange for services so I don't know how his prices run but I suspect they are very reasonable.

Larry Wolken N30JD

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Kim Herron <kherron@voyager.net>
Subject: Re.807's for sale
Message-ID: <199701060123.UAA01076@vixa.voyager.net>

Good Grief!!

I need a whole bunch more 807's than I have to satisfy all you power hungry Firebottle fans!! Neddless to say that they are spoken for. What amazes me is how FAST!!!

KIM
kherron@vixa.voyager.net

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Jacqueline Herman <jherman@sierra.net>
Subject: Running a final with a single tube "in parallel"
Message-ID: <Pine.SUN.3.91.970104202134.16663A-1000000@diamond.sierra.net>

I've got a Galaxy GT-550 that has two 6LB6s in parallel in the final. The rig is capable of running 550w input, but I like operating in the 50w range. So rather than having both tube idling along, would there be any adverse effects if I removed one of them? Would the imbalance cause major problems?

73,

Jeff KH2PZ / 7 (a 20-year General still asking Novice questions)

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: Source for GPR-90 manuals?
Message-ID: <199701052243.0AA26185@dfw-ix9.ix.netcom.com>

Just picked up a GPR90 RXDS receiver, and it needs some TLC. Any suggestions as to the best source of manuals for it?

Thanks,

- Jeff, WA6AHL

From boatanchors@theporch.com Sun Jan 5 19:58:31 1997
From: Harry Vaught <hvaught@worldnet.att.net>
Subject: SX-117 Selectivity, Tube life
Message-ID: <19970105223350.AAA8054@HVAUGHT2>

Gang,

This is my first post although I've been lurking for a while.

I have two questions:

1. When switching to the .5 kc selectivity position on my SX-117, there is a severe loss of gain and the S-meter reading drops. I've cleaned the switch and checked the ground. I haven't re-soldered any connections yet. I would probably have thought it was normal, but it doesn't happen on my SX-101A. Does anyone have any ideas?
2. There was an interesting and informative thread a while back about tube life and surge suppressors. What, in the absence of surge suppression, is the trade-off in just leaving the gear powered up? I mean, turn it on in the morning and off at bedtime, rather than on and off during the day. In this case, what about leaving a receiver in Standby, which in older Hallicrafters means cutting off the B+? I remember seeing something about this in the Archives, but I don't remember it being conclusive.

Regards,

Harry Vaught, KT4AE
Lawrenceville, Georgia
hvaught@worldnet.att.net
"Collector of Hallicrafters and other random obsessions."
Harry Vaught, KT4AE
hvaught@worldnet.att.net

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: SX-117 Selectivity, Tube life
Message-ID: <199701060216.VAA03983@server1.ils.net>

At 04:36 PM 1/5/97 -0600, Harry Vaught wrote:

>Gang,

>

>This is my first post although I've been lurking for a while.

>

>I have two questions:

>

>1. When switching to the .5 kc selectivity position on my SX-117, there is
>a severe

>loss of gain and the S-meter reading drops. I've cleaned the switch and
>checked

>the ground. I haven't re-soldered any connections yet. I would probably have
>thought it was normal, but it doesn't happen on my SX-101A. Does anyone have
>any ideas?

>

I had a similar problem with my SX115 for several years and I thought this was normal until I borrowed a fancy Motorola digital sig generator/spectrum analyzer and re-aligned the IF system. The receiver performs so much better and almost no drop in signal strength on the S-meter in the .5 kc position. Perhaps you have a similar problem with the SX117. It may just need to be properly aligned.

As for tube life, I have no idea if leaving the radio on all the time will extend tube life or not. I always switch mine off and I can tell you that I haven't had a receiver tube go bad in the past 20 years. Maybe I'm just lucky about that one.

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: Larry Godek <AZCOT@gnn.com>
Subject: Test sets
Message-ID: <199701051614.LAA17976@mail-e2b.gnn.com>

I've come across some test sets for Command sets. They are:

I-85A, 1 ea complete and 1 ea missing the 0-30Vdc meter

These meters are the 5 meter combination in a single box for the BC series command transmitters.

I-85B, 2 ea. These are a single switched meter model of the above 5 meter test set.

I-84B, numerous. These are a Command receiver test set that could actually be used in place of a single receiver control head. Single meter and switch with audio jacks, gain control and cw-off-mcw switch. Power is applied to the test set instead of the receiver in a rack.

These units are all NIB, NOS. Unless you know of someone who has one that wants to get rid of it, I don't know where you would find any more of them. Units are not listed in SCR-274N or ARC-5 manuals but all have standard military equipment Id tags.

I also have 1 test set, I-155A for the BC-950. Not sure what this gear is.

Prices on request, not via the BA list please, but privately to:

AZCOT@GNN.COM

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: gcr2@po.CWRU.Edu (George C. Rybicki)
Subject: Thanks
Message-ID: <199701051514.KAA03562@piglet.INS.CWRU.Edu>

Thanks to all who sent me VT- US standard tube conversion info. 73 George
£££

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: "Tony" <tony@mail.bright.net>
Subject: Thanks & For Sale
Message-ID: <199701051420.JAA14122@mail.bright.net>

Kudos to Larry Wolken, a fellow listmember, for helping me to obtain
a TMC GPR-90 receiver. He saw comments I posted to a newsgroup about
this receiver, and told me how to get in touch with a shop in
Maryland that had one for sale on consignment. After several calls
and several weeks, it's mine and it's here. Thanks Larry!

I've decided to sell or swap my National NCX-5 and power supply.
The National is in nice shape, and I recently replaced the electrolytics in the
supply. The dial is a couple of kC off, so an alignment may be in
order. I am getting well in excess of 100 watts output from the
current set of finals (6GJ5A), and I have 5 spare final tubes I dug
out from somewhere. This particular NCX-5 has the "Mark II" balanced
modulator instead of the 7360 tube. I also have a new reproduction
manual from W7FG for the rig and supply, and a Turner hand microphone.

I would actually prefer to swap for Drake gear or towards a RCA AR-88
(right!), but will sell the National outright - maybe \$175. plus shipping?

Thanks & 73,

Tony N8SNC
AMI# 786

tony@bright.net

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Two new BAs at W8ZR's, neither working
Message-ID: <v03007800aef5ff3df988@[134.53.65.12]>

Hi gang,

I've been greedily watching this HQ-180AC with matching speaker for several months now, ever since I saw it in an estate sale. At the time of the sale, the ham who was helping dispose of the estate decided to keep it, but this weekend he changed his mind and sold it to me. It caught my eye initially, because it looked as close to NIB as any BA I've ever seen, so I was delighted to get it. It's my first Hammarlund receiver ever.

In checking it out on my workbench, however, it's clear the receiver is going to need some work. Having never used an HQ180A before, however, I'm not sure what's normal. After replacing a bad 6C4 HF oscillaltor, it hears reasonably well, though I notice a lot of AGC thumping on cw and ssb signals. In fact, it seems like the AGC attack time is so slow that a strong signal momentarily pegs the s-meter and overloads the receiver before the AGC kicks in. I also hear a a bit of audio distortion, and notice that the minimum AF Gain control setting still produces significant volume-- not unusal on old pots, of course, but in this case the minimum gain setting seems to turn off the product detector, effectively putting the receiver in the AM mode. So far I haven't checked anything but the tubes and haven't looked at the alignment procedure yet. I'd be interested in any thoughts on these problems from some of you Hammarlund experts out there.

My second acquisition, from the same source, was a Heathkit Seneca 2m/6m AM-CW rig. Cosmetically, it was in excellent condition, but extremely dirty inside. Normally, I tend to avoid old Heathkits since the wiring can be so iffy, but in this case the original owner did a beautiful job putting it together. I played with the rig a few minutes and after fiddling with the controls finally got it to put out about 25 watts into a dummy load. Unfortunately, it was supposed to be at about 145MHz, but the actual signal was at 151MHz -- both with the VFO and an xtal. Oh well, I'll add it to my repair queue (which is getting pretty lengthy, and one of these days maybe I'll work you all on 2m AM -- after I get the KWM-1, 32S3, TX-62, and HQ180A working first!

73,

Jim W8ZR

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: km1h@juno.com
Subject: UPS Rates going up
Message-ID: <19970105.101724.9895.1.km1h@juno.com>

UPS has announced an increase of 4.3% average in ground rates effective

Feb 1. Some BAers may wish to note this.

73....Carl KM1H

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: dr.electron@juno.com (Richard L Paton)
Subject: RE: VARIAC pftt
Message-ID: <19970105.110904.9502.0.dr.electron@juno.com>

Speaking of " If it ain't broke, don' fix it,
After recently doing some " cleaning up " on a General Radio type
W10MT3A Metered Variac, (10a / 3a scales), It now shrieks and
disagrees with the circuit breaker.
Anyone got a schematic? Will reimburse stat/postal \$\$
" Smoke 'em if you got 'em "
Rich P

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: VT cross to commercial numbers
Message-ID: <970105045956_75121.100_IHV36-1@CompuServe.COM>

HI All!

George wrote:

<Does anyone know if there is a VT/Jan equivalent tube cross reference
<somewhere in bitland? If not can someone post one. I have some VT-??
<type tubes that are not listed in my modern tube sub book. Tnx George

In answer to his question, I have a cross listing I typed up from old rotted and
bits of scrap pages that I found in an old book and will e-mail it to who ever
requests a copy. There may be more than what is on my list, but that is all I
could read from the fungus eaten pages. They turned to a pile of dust and
scraps when I was done.

Just send an e-mail to me and ask.

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: VT-Jan Equivalents?
Message-ID: <32D003CA.2D5D@GHG.net>

> >Does anyone know if there is a VT/Jan equivalent tube cross reference

> > somewhere in bitland? If not can someone post one. I` have some VT-??
> > type tubes that are not listed in my modern tube sub book. Tnx George

Doesn't the large tube reference in the BA archives have VT/Jan cross references? I seem to recall looking in my copy when I was trying to figure out whatever the VT number was for the audio output tube in my BC-348-R...

Yep, it sure does! Part of it shown below...

VT NUMBER	SEE COMMERCIAL TUBE TYPE NO.
VT-1-----	WE-203A (obsolete).
VT-2-----	WE-205B.
VT-3-----	Obsolete.
VT-4A-----	Obsolete.
VT-4B-----	Commercial 211..
VT-4C-----	JAN 211.

etc...

73,
Ben
--

From the computer of | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov | Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address,
BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Sun Jan 5 22:47:55 1997
From: "Edwin G. Buttell" <edd.b@snet.net>
Subject: WTB R-392
Message-ID: <32CC9152.32B6@mail.snet.net>

Hello BA lovers;

I am looking for a clean R-392 in the N.Y. and N.E. area. The radio must be in working condition and the connecting cables, power and audio are a plus.

Let me know what you have and what price you are asking.

Thanks and all the best for the new year.

de W1AFA EDD.B.

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: wtb: Dow-Key Antenna Relay
Message-ID: <199701051054.CAA00552@kim.teleport.com>

>Hello All...
>
>Anyone know of a source for a Dow-Key Coaxial Antenna Relay -- preferably
>spdt, 50-ohm, 115vac coil...
>
>Thank's for any leads...
>
>Regards
>
>Jack, KC0LR (Friend to all things Hammarlund)

Hi Jack,

The exact relay you want is listed in the Allied Catalog #956 on page 567.

It may cost a little more than you are prepared to pay, however.

In quantities of 1-4, it is \$234.60 each. If you want 5-9, they will reduce the price to only \$225.40 each. If you beg and plead, you might get 10 for only \$2000 (but I doubt it, since that would be an inordinately LARGE discount based on the first two tiers of their price list).

The moral to this story is "buy every single one you can find at flea markets, whether you need it or not. It may help with your retirement later."

Call 1-800-433-5700 and get your own Allied Catalog and look it up if you doubt me.

Stan w7ni@teleport.com

From boatanchors@theporch.com Sun Jan 5 14:18:47 1997
From: John <johnmb@mindspring.com>
Subject: Re: wtb: Dow-Key Antenna Relay
Message-ID: <199701051330.IAA23590@borg.mindspring.com>

At 04:57 AM 1/5/97 -0600, you wrote:

>>Hello All...

>>

>>Anyone know of a source for a Dow-Key Coaxial Antenna Relay -- preferably

Jack,

given a mini-box, and a 115 volt open frame relay, and a couple of
your favorite coax connectors, you can make your own...

There is really no reason not to...at HF the impedance bump
induced will not be noticeable... I have some old coax T/R relays
(not dow-key) that are made in exactly that way...

Roll your own!

/John

wb5oau/4

```
+-----+
                John Brewer                johnmb@mindspring.com
                WB50AU/4                   AMI #24
Vintage Gear web page: http://www.mindspring.com/~johnmb
+-----+
```